

Form PTO-1449 U.S. Department of
Commerce Patent and Trademark Office
INFORMATION DISCLOSURE
STATEMENT
IN AN APPLICATION
(Use several sheets if necessary)

Docket No. H1799-00207

Serial No. 10/618,965

Applicant: Scott GARNER et al.

Filing Date: 14 July 2003

Group Art Unit Unassigned

U.S. PATENT DOCUMENT

*EXAM INER INITIA L	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TM	3,537,514	Nov. 1970	Levedahl			
TM	3,613,778	Oct. 1971	Feldman, Jr.			
TM	3,675,711	July 1972	Bilinski et al.			
	3,681,843	Aug. 1972	Arcella et al.			
	3,788,388	Jan. 1974	Barkmann			
	4,042,316	Aug. 1977	Rabe			
	4,046,190	Sept. 1977	Marcus et al.			
	4,118,756	Oct. 1978	Nelson et al.			
	4,177,646	Dec. 1979	Guadagnin et al.			
	4,231,423	Nov. 1980	Haslett			
	4,327,752	May 1982	Hickel			
	4,365,851	Dec. 1982	Andres et al.			
	4,366,526	Dec. 1982	Lijoi et al.			
	4,374,528	Feb. 1983	Tittert			
	4,382,448	May 1983	Tittert			
	4,489,777	Dec. 1984	Del Bagno et al.			
	4,557,413	Dec. 1985	Lewis et al.			
TM	4,616,699	Oct. 1986	Grote			

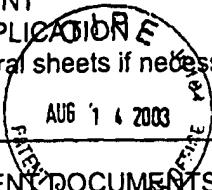
FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATIO N	YES	NO
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OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER *Paul M. McLean*DATE CONSIDERED *11/18/04*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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*EXAM INER INITIA L	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓M	4,641,404	Feb. 1987	Seydel et al.			
✓M	4,697,205	Sept. 1987	Eastman			
✓M	4,765,396	Aug. 1988	Seidenberg			
	4,819,719	April 1989	Grote et al.			
	4,830,097	May 1989	Tanzer			
	4,840,224	June 1989	Dietzsch			
	4,865,729	Sept. 1989	Saxena et al.			
	4,880,052	Nov. 1989	Meyer, IV et al.			
	4,883,116	Nov. 1989	Seidenberg et al.			
	4,885,129	Dec. 1989	Leonard et al.			
	4,912,548	March 1990	Shanker et al.			
	4,921,041	May 1990	Akachi			
	4,929,414	May 1990	Leonard et al.			
	4,931,905	June 1990	Cirrito et al.			
	4,960,202	Oct. 1990	Rice et al.			
✓	4,982,274	Jan. 1991	Murase et al.			
✓M	5,076,352	Dec. 1991	Rosenfeld et al.			
✓M	5,219,020	June 1993	Akachi			

FOREIGN PATENT DOCUMENTS

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EXAMINER	<i>Scott Garner</i>	DATE CONSIDERED	<i>11/8/04</i>
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*EXAMINER INITIALE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TM	5,242,644	Sept. 1993	Thompson et al.			
TM	5,253,702	Oct. 1993	Davidson et al.			
TM	5,268,812	Dec. 1993	Conte			
	5,320,866	June 1994	Leonard			
	5,331,510	July 1994	Ouchi et al.			
	5,349,237	Sept. 1994	Sayka et al.			
	5,522,455	June 1996	Brown et al.			
	5,711,816	Jan. 1998	Kirlin et al.			
	5,847,925	Dec. 1998	Progl et al.			
	5,947,193	Sept. 1999	Adkins et al.			
	6,148,906	Nov. 2000	Li et al.			
	6,154,364	Nov. 2000	Girrens et al.			
	6,167,948	Jan. 2001	Thomas			
	6,169,852	Jan. 2001	Liao et al.			
	6,227,287	May 2001	Tanaka			
	6,302,192	Oct. 2001	Dussinger et al.			
✓	6,382,309	May 2002	Kroliczek et al.			
TM	6,418,017	July 2002	Patel et al.			

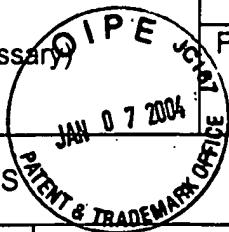
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EXAMINER	Initials	DATE CONSIDERED
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U.S. PATENT DOCUMENTS

*EXAM INER INITIA L	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,279,479	July 1981	Schrier			
	4,354,482	Oct. 1982	Beisecker			
	4,361,133	Nov. 1982	Bonnema			
	4,503,483	March 1985	Basiulis			
	4,748,314	May 1988	Desage			
	4,777,561	Oct. 1988	Murphy et al.			
	4,807,697	Feb. 1989	Gernert et al.			
	5,059,496	Oct. 1991	Sindorf			
	5,101,560	April 1992	Leonard et al.			
	5,103,897	April 1992	Cullimore et al.			
	5,148,440	Sept. 1992	Duncan			
	5,160,252	Nov. 1992	Edwards			
	5,200,248	April 1993	Thompson et al.			
	5,283,715	Feb. 1994	Carlsten et al.			
	5,333,470	Aug. 1994	Dinh			
	5,408,128	April 1995	Furnival			
	5,409,055	April 1995	Tanaka et al.			
	5,549,394	Aug. 1996	Nowak et al.			

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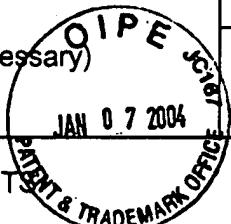
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATIO N
						YES
						NO

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER *Paul M. Rehman*DATE CONSIDERED *11/8/04*

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	5,664,890	Sept. 1997	Nowak et al.			
	5,769,154	June 1998	Adkins et al.			
	5,826,645	Oct. 1998	Meyer, IV et al.			
	5,880,524	March 1999	Xie			
	5,883,426	March 1999	Tokuno et al.			
	5,950,710	Sept. 1999	Liu			
	6,041,211	March 2000	Hobson et al.			
	6,055,157	April 2000	Bartilson			
	6,056,044	May 2000	Benson et al.			
	6,082,443	July 2000	Yamamoto et al.			
	6,158,502	Dec. 2000	Thomas			
	6,230,407	May 2001	Akutsu			
	6,239,350	May 2001	Sievers et al.			
	6,256,201	July 2001	Ikeda et al.			
	6,293,333	Sept. 2001	Ponnappan et al.			
	6,303,081	Oct. 2001	Mink et al.			
	6,388,882	May 2002	Hoover et al.			
	6,397,935	June 2002	Yamamoto et al.			

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OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER: <i>W. M. Fawcett</i>	DATE CONSIDERED: <i>11/8/04</i>

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OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JM</i>	Rosenfeld, J.H., "Nucleate Boiling Heat Transfer in Porous Wick Structures," ASME HTD Vol. 108, <i>Heat Transfer Fundamentals, Design, Applications, and Operating Problems</i> , R.H. Shah, Ed., pp. 47-55, 1989
<i>JM</i>	Rosenfeld, J.H. and J.E. Lindemuth, "Acetone Heat Pipes for Stirling Orbiter Refrigerator/Freezer," Contract G350240J70 - final report to GE Gov't. Service, 16 April 1993
<i>JM</i>	McDonald, K.E., Berchowitz, D., Rosenfeld, J.H., and Lindemuth, J.E., "Stirling Refrigerator for Space Shuttle Experiments," Proc. 29 th IECEC, paper 94-4179, pp. 1807-1812, 1994
<i>JM</i>	Lindemuth, J.E., "Stainless Steel/Propylene Heat Pipe Interface for Stirling Orbiter Refrigerator/Freezer," NASA LeRC final report, PO. No. C-76546-F, 21 April 1998
<i>JM</i>	Rosenfeld, J.H. and Lindemuth, J.E., "Heat Transfer in Sintered Groove Heat Pipes," International Heat Pipe Conference, 1999
<i>JM</i>	Rosenfeld, J.H. and North, M.T., "Porous Media Heat Exchangers for Cooling of High-Power Optical Components," <i>Optical Engineering</i> , Vol. 34, No. 2, pp. 335-341, February 1995
<i>JM</i>	Rosenfeld, J.H., Toth, J.E., and Phillips, A.L., "Emerging Applications for Porous Media Heat Exchangers," Proc. Int. Conf. on Porous Media and Their Applications in Science, Eng., and Industry, Kona, HI, 16-21 June 1996.

EXAMINER *Dee M. Craman*DATE CONSIDERED *11/8/04*

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